

## Lime (Calcium Hydroxide) Slurry Investigation

### The Project:

Link2Energy Ltd ("L2E") are carrying out an investigation on behalf of a client in the North of England, seeking added-value uses for an industrial byproduct.

The material in question is "hydrated lime" which is currently produced in a slurry form, 85% H<sub>2</sub>O, 15% Ca(OH)<sub>2</sub>. This is being produced in a 5-day operation and is collected in 2 x 100m<sup>3</sup> slurry silos with gravity tanker decant facility, amounting to approximately 12,000 tonnes per annum.

Although this is a clean and consistent byproduct from an industrial chemical manufacturing process, it is currently being taken from site as a waste with an EWC classification of **06 02 01\*** (*Calcium Hydroxide wastes from the manufacture, formulation, supply and use of bases*). Further, the alkalinity of the material (pH 13) means that it is classed as hazardous.

The aspiration of this project is that a symbiotic partner can be found whereby the lime is able to be transported, received and used as a recognised product in its slurry form, for example as a steady feedstock for another chemical process or as a neutralising agent.

While not the preferred format, it is nonetheless possible for the client to produce a presscake of the lime which would have circa 65-70% lime solids. This can be dropped into an open-topped trailer for collection.

***If you think this byproduct might be of interest and appropriate for your company's own processes, then please let me know using the contact details below. I can also arrange for benchscale samples of the material to be sent to you for assessment if required.***

Thank you.

### Contact details:

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